Analytis, James G., University of California, Berkeley, Berkeley, CA, "Topological Materials with Complex Long-Range Order," selected by the Office of Basic Energy Sciences.

Barbeau, Phillip S., Duke University, Durham, NC, "Coherent Neutrino-Nucleus Scattering: A Tool to Search for New Physics," selected by the Office of High Energy Physics.

Battiato, Ilenia, San Diego State University, San Diego, CA, "Multiscale Dynamics of Reactive Fronts in the Subsurface," selected by the Office of Basic Energy Sciences.

Craig, Nathaniel J., University of California, Santa Barbara, Santa Barbara, CA, "Leveraging the Higgs to Discover Physics Beyond the Standard Model," selected by the Office of High Energy Physics.

Deibel, Catherine M., Louisiana State University, Baton Rouge, LA, "Determining Astrophysical Reaction Rates for Classical Novae and X-ray Bursts via Indirect Methods," selected by the Office of Nuclear Physics.

Delgado-Aparicio, Luis F., Princeton Plasma Physics Laboratory, Princeton, NJ, "Active Impurity Control For Maximum Fusion Performance," selected by the Office of Fusion Energy Sciences.

Engelmann, Christian, Oak Ridge National Laboratory, Oak Ridge, TN, "Resilience Design Patterns: A Structured Approach to Resilience at Extreme Scale," selected by the Office of Advanced Scientific Computing Research.

Forbes, Tori Z., University of Iowa, Iowa City, IA, "Assessing Subtle Variations in the Actinyl Oxo Reactivity through Characterization of Neptunyl Complexes," selected by the Office of Basic Energy Sciences.

Gardner, Jeffrey G., University of Maryland Baltimore County, Baltimore, MD, "Functional Characterization and Regulatory Modeling of Lignocellulose Deconstruction in the Saprophytic Bacterium Cellvibrio Japonicus," selected by the Office of Biological and Environmental Research.

Gentine, Pierre, Columbia University, New York, NY, "Cross-Scale Land-Atmosphere Experiment (CSLAEX)," selected by the Office of Biological and Environmental Research.

Gofryk, Krzysztof, Idaho National Laboratory, Idaho Falls, ID, "Actinide Materials under Extreme Conditions," selected by the Office of Basic Energy Sciences.

Grumstrup, Erik M., Montana State University, Bozeman, MT, "Photoconversion in Disordered Semiconductors: Spatial, Spectral, and Temporal Insights through Nonlinear Microscopy," selected by the Office of Basic Energy Sciences.

Hartman, Thomas, Cornell University, Ithaca, NY, "Universality in Quantum Gravity," selected by the Office of High Energy Physics.

Hauck, Cory D., Oak Ridge National Laboratory, Oak Ridge, TN, "Hybrid Methods for Complex Particle Systems," selected by the Office of Advanced Scientific Computing Research.

Heldebrant, David J., Pacific Northwest National Laboratory, Richland, WA, "Combined Capture and Conversion of CO_2," selected by the Office of Basic Energy Sciences.

Helgeson, Matthew E., University of California, Santa Barbara, Santa Barbara, CA, "Rheo-structural Spectroscopy: Fingerprinting the in situ Response of Fluids to Arbitrary Flow Fields," selected by the Office of Basic Energy Sciences.

Hoffmann, Henry C., University of Chicago, Chicago, IL, "CALORIE: A Constraint Language and Optimizing Runtime for Exascale Power Management," selected by the Office of Advanced Scientific Computing Research.

Jain, Anubhav, Lawrence Berkeley National Laboratory, Berkeley, CA, "Unraveling Principles for Targeted Band Structure Design Using High-Throughput Computation with Application to Thermoelectrics Materials Discovery," selected by the Office of Basic Energy Sciences.

Klausen, Rebekka S., Johns Hopkins University, Baltimore, MD, "Mesoscale Fragments of Crystalline Silicon by Chemical Synthesis," selected by the Office of Basic Energy Sciences.

Kliewer, Christopher J., Sandia National Laboratories, Livermore, CA, "Interactions between Surface Chemistry and Gas-Phase Combustion: New Optical Tools for Probing Flame-Wall Interactions and the Heterogeneous Chemistry of Soot Growth and Oxidation in Flames," selected by the Office of Basic Energy Sciences.

Kovalev, Alexey, University of Nebraska, Lincoln, NE, "Non-Collinear Magnetism and Dynamic Effects in Dzyaloshinskii-Moriya Magnets," selected by the Office of Basic Energy Sciences.

Lancaster, Kyle M., Cornell University, Ithaca, NY, "Elucidating Biological Energy Transduction from Ammonia," selected by the Office of Basic Energy Sciences.

Lee, Christopher, Los Alamos National Laboratory, Los Alamos, NM, "Precision Probes of the Strong Interaction," selected by the Office of Nuclear Physics.

Lee, Yen-Jie, Massachusetts Institute of Technology, Cambridge, MA, "Study of Heavy Flavor Mesons and Flavor-Tagged Jets with the CMS Detector," selected by the Office of Nuclear Physics.

Li, Dongsheng, Pacific Northwest National Laboratory, Richland, WA, "In Situ TEM Study of Branched Nanocrystal Growth Mechanisms: Understanding Non-Classical Processes Controlling Formation of Hierarchical Nanostructures," selected by the Office of Basic Energy Sciences.

Mak, Kin Fai, Pennsylvania State University, University Park, PA, "Understanding Topological Pseudospin Transport in van der Waals' Materials," selected by the Office of Basic Energy Sciences.

Mangolini, Lorenzo, University of California, Riverside, Riverside, CA, "On the Interaction between Non-Thermal Plasmas and Small Metallic Particles: Plasmonic Plasmas," selected by the Office of Fusion Energy Sciences.

Mittal, Jeetain, Lehigh University, Bethlehem, PA, "Biomolecular Assembly Processes in the Design of Novel Functional Materials," selected by the Office of Basic Energy Sciences.

Page, Katharine, Oak Ridge National Laboratory, Oak Ridge, TN, "Exploiting Small Signatures: Quantifying Nanoscale Structure and Behavior," selected by the Office of Basic Energy Sciences.

Parish, Chad M., Oak Ridge National Laboratory, Oak Ridge, TN, "Damage Mechanism Interactions at the Plasma-Materials Interface," selected by the Office of Fusion Energy Sciences.

Puckett, Andrew, University of Connecticut, Storrs, CT, "Three-dimensional Structure of the Nucleon," selected by the Office of Nuclear Physics.

Rupert, Timothy J., University of California, Irvine, Irvine, CA, "Doping Metallic Grain Boundaries to Control Atomic Structure and Damage Tolerance," selected by the Office of Basic Energy Sciences.

Sakdinawat, Anne, SLAC National Accelerator Laboratory, Menlo Park, CA, "Hybrid Nanoscale X-ray Imaging: Direct and Computational Imaging with Advanced X-ray Diffractive Optics," selected by the Office of Basic Energy Sciences.

Sattely, Elizabeth S., Stanford University, Palo Alto, CA, "Defining the Minimal Set of Microbial Genes Required for Valorization of Lignin Biomass," selected by the Office of Biological and Environmental Research.

Schmitz, Oliver, University of Wisconsin-Madison, Madison, WI, "Plasma Material Interaction with Three-Dimensional Plasma Boundaries," selected by the Office of Fusion Energy Sciences.

Shoemaker, Daniel P., University of Illinois, Champaign, IL, "In Situ Thermodynamics and Kinetics of Mixed-Valence Inorganic Crystal Formation," selected by the Office of Basic Energy Sciences.

Slatyer, Tracy R., Massachusetts Institute of Technology, Cambridge, MA, "Confronting Dark Matter with the Multiwavelength Sky," selected by the Office of High Energy Physics.

Solvignon, Patricia, University of New Hampshire, Durham, NH, "New Studies of Short-Range Correlations and their Effects on Nuclei," selected by the Office of Nuclear Physics.

Tao, Jing, Brookhaven National Laboratory, Upton, NY, "Tracing Non-equilibrium Phenomena in Correlated Materials by Using Ultrafast Electron Probes," selected by the Office of Basic Energy Sciences.

Ushizima, Daniela M., Lawrence Berkeley National Laboratory, Berkeley, CA, "Scaling Analytics for Image-Based Experimental Data," selected by the Office of Advanced Scientific Computing Research.

VanDevender, Brent A., Pacific Northwest National Laboratory, Richland, WA, "Ultra-precise Electron Spectroscopy to Measure Neutrino Mass," selected by the Office of Nuclear Physics.

Weare, Jonathan, University of Chicago, Chicago, IL, "Ensemble Simulation Techniques and Fast Randomized Algorithms," selected by the Office of Advanced Scientific Computing Research.

Winter, Peter, Argonne National Laboratory, Lemont, IL, "Muon g-2: Precision Determination of the Magnetic Field and Enhanced Trolley Features," selected by the Office of High Energy Physics.

Zhang, Yunyan, Lawrence Livermore National Laboratory, Livermore, CA, "The Effect of Soil Moisture and Surface Heterogeneity on Clouds and Precipitation: Inferences from ARM Observations and Large-Eddy Simulations," selected by the Office of Biological and Environmental Research.